

# Work Order ID 76278

**\*76278\***

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Tuesday, November 08, 2011 1:30:03 PM

Item ID: D3672-3 Accept **\*N900040100\*** Setup Start **\*NS1\***  
Revision ID: Stop **\*NS2\***  
Item Name: Phenolic Washer 500 C/L 11/10/09  
Start Date: 11/8/2011 Start Qty: 300.00 **\*300\*** Cust Item ID:  
Required Date: 11/22/2011 Req'd Qty: 300.00 **\*300\*** Customer:  
Reference:

Approvals: Process Plan: M.C. J Date: 11/11/08 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3672	Rev C								

100 PURCHASING 0.00  
**\*100\***  
Purchasing Memo 0.00  
Purchasing Issue P/O: 13409  
Purchase Part Number: MM .500 OD X .267 ID X .031 +/- .002  
Supplier: HASKINS INDUSTRIAL  
Certificate of conformity is required

11/11-09  
500

110 Receive & Inspect for Damage & Mat'l Certs 0.00  
**\*110\***  
Packaging Memo 0.00  
Packaging Ensure certificate of conformity is attached

11/11/10 (sw)

120 QC6- Inspect dimensions to drawing 0.00  
**\*120\***  
QC Memo 0.00  
Quality Control

11/11/10  
ASPD19

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**\*76278\***

Tuesday, November 08, 2011 1:30:03 PM

**\*N900040100\***

Setup Start \*NS1\*

Stop \*NS2\*

**\*300\***

**\*300\***

**Reference:**

Run Start \*NR1\*

Stop **\*NR2\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Identify as per dwg & Stock Location: St 74

0,00

**\*130\***

## Packaging

## Memo

0.00

## Packaging

140

QC21- Final Inspection - Work Order Release

0.00

**\*140\***

QC

## Memo

0.00

## Quality Control

SP 11-11-16.

11/11/17

2141-16  
500

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

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Tuesday, November 08, 2011 1:30:08 PM

Work Order ID: 76278

**\*76278\***

Parent Item: D3672-3

**\*D3672-3\***

Parent Item Name: Phenolic Washer

Start Date: 11/8/2011

Required Date: 11/22/2011

Start Qty: 300.00

Required Qty: 300.00

Comments: IPP Rev:A New Issue 07-09-09 JLM Verified By:EC  
IPP Rev:B ECN 1056 07-11-13 DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3672-3P		Purchased	No			110	Each	0.0000	1	300			
<b>*D3672-3P*</b>									<b>**</b>				
WASHER													

*Rec'd 11/15/11* (500)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

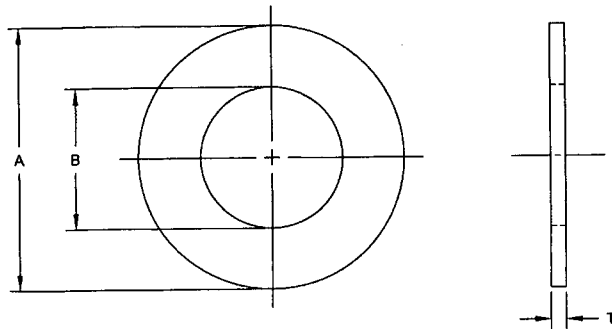
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# SPECIFICATION CONTROL DRAWING



## D3672-X PHENOLIC WASHER

Dart P/N	A (IN)	B (IN)	T (IN)	SUPPLIER P/N	REPLACES
D3672-1	0.437	0.210	0.031	MM .437OD x .210ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H3L
D3672-3	0.500	0.267	0.031	MM .500OD x .267ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H4L
D3672-5	0.562	0.326	0.062	MM .562OD x .326ID x .062 +/- .002 PHENOLIC FLAT WASHER	NAS1515H5
D3672-7	0.562	0.328	0.031	MM .562OD x .328ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H5L
D3672-9	0.625	0.390	0.031	MM .625OD x .390ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H6L
D3672-11	0.750	0.453	0.031	MM .750OD x .453ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H7L
D3672-13	0.875	0.515	0.031	MM .875OD x .515ID x .031 +/- .002 PHENOLIC FLAT WASHER	NAS1515H8L



### NOTES:

- 1) MATERIAL: PHENOLIC. PURCHASE HASKINS INDUSTRIAL INC. P/N PER TABLE (IN QUANTITIES OF 1000)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

SHOP COPY  
RETURNED  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER NO. 76278 11-11-08

RELEASED  
R 2009-12-04  
MD

C	REDRAW, ADD -13 (ZN A8-1), PAR 09-038	CP	09.11.04
B	ADD -5/-7/-9/-11	DC	07.10.09
A	NEW ISSUE	DC	07.08.28
REV.	DESCRIPTION	BY	DATE
DESIGN	DC	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	JP		
CHECKED	JP	DRAWING NO.	REV. C
MFG. APPR.	JP	D3672	SHEET 1 OF 1
APPROVED	JP	TITLE	SCALE
DE APPR.	JP	PHENOLIC WASHER	NTS
DATE	09.11.04	COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO15409

Purchase Order Date 11/9/2011

PO Print Date 11/9/2011

Page Number 1 of 2

Order From :

VC-HAS001

HASKINS INDUSTRIAL  
5-52 ANTARES DRIVE  
NEPEAN, ON K2E 7Z1  
CA

Contact Name

Vendor Phone

613 723 8800

Vendor Fax

613 723 8806

Vendor Account Nbr

Buyer

Brigitte Golden

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D3672-7P	WASHER	11/11/2011 Yes	1,000.00 Each	FedEx PI collect	\$0.3229	\$322.90
		Special Inst:	p/n:MM.562 OD X .328 ID +/- .002 per DWG: 3672 Rev: C B76279				
2	D3672-1P	WASHER	11/11/2011 Yes	500.00 Each	FedEx PI collect	\$0.3229	\$161.45
		Special Inst:	p/n: MM.437 OD X .210 ID X .031 +/- .002 As per DWG: D3672 Rev: C B76277				
3	D3672-3P	WASHER	11/11/2011 Yes	500.00 Each	FedEx PI collect	\$0.3229	\$161.45

Change Nbr: 1

Change Date: 11/9/2011

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable



M.M. SALES ADMINISTRATRIX LTD.

7650 KIMBEL STREET  
UNIT # 35  
MISSISSAUGA, ONTARIO  
L5S 1L2

# PACKING SLIP

ISO 9001:2008  
Registered

Date	Invoice #
10/11/2011	2260

Invoice To
HASKINS INDUSTRIAL INC 5- 52 ANTARES DRIVE NEPEAN, ONTARIO K2E 7Z1

Ship To
DART AEROSPACE LTD. 1270 ABERDEEN STREET HAWKESBURY, ONTARIO K6A 1K7 TAG P.O. # 15409

P.O. No.
201241

Ship Date	Ship Via	FOB
10/11/2011	PUROLAT...	MISSISSAUGA

Description	Qty
P/N MMS-D3672-7 PHENOLIC FLAT WASHER .562 X .328 X .031 +/- .002	1,000
P/N MMS-D3672-1 PHENOLIC FLAT WASHER .437 X .210 X .031 +/- .002	500
P/N MMS-D 3672-3 PHENOLIC FLAT WASHER .500 X .267 X .031 +/- .002 GST & HST on sales	500

GST/HST No.

889055281

